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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Leonard A. R. Golding et al.
 Serial No. : 08/820,756
 Filed : March 19, 1997
 Title : ROTODYNAMIC PUMP WITH NON-CIRCULAR HYDRODYNAMIC BEARING JOURNAL
 Batch No. : K47
 Group Art Unit : 3746
 Examiner : C. Freay
 Attorney Docket : CCL 2 178
 Assistant Commissioner For Patents
 Washington, D.C. 20231

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BOX ISSUE FEE

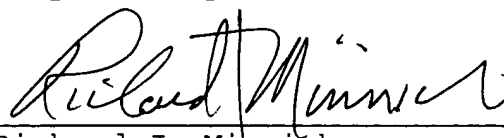
SUBMISSION OF FORMAL DRAWINGS

Dear Sir:

Applicants submit herewith Figures 1-5 (four (4) sheets), in proper format under 37 C.F.R. §1.84, for the above-identified patent application.

Applicants believe all drawing requirements have now been met for this application.

Respectfully submitted,

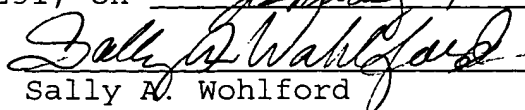


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CERTIFICATE OF MAILING

I hereby certify that this Submission of Formal Drawings is being deposited with the United States Postal Service as Express Mail No. EL181701043 addressed to: Assistant Commissioner For Patents, Washington, D.C. 20231, on January 4, 1999.


 Sally A. Wohlford

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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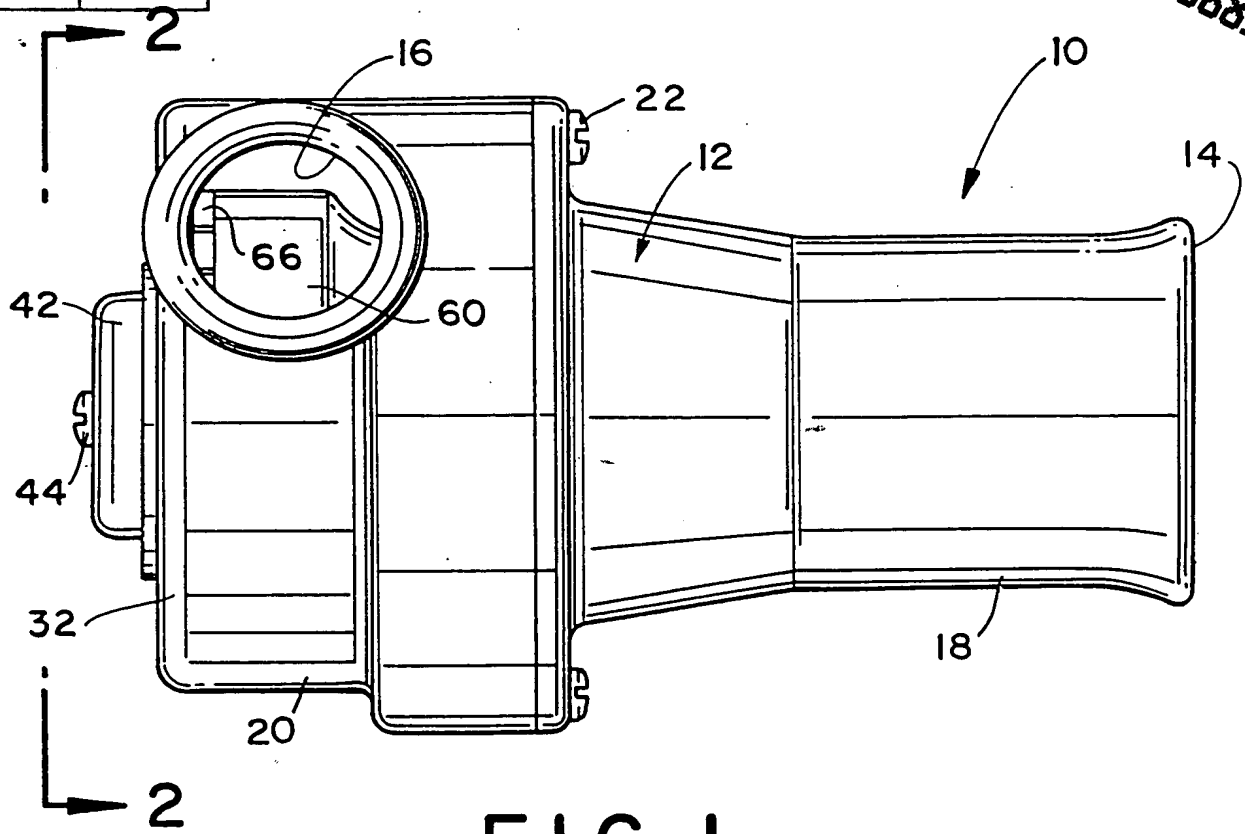


FIG. 1

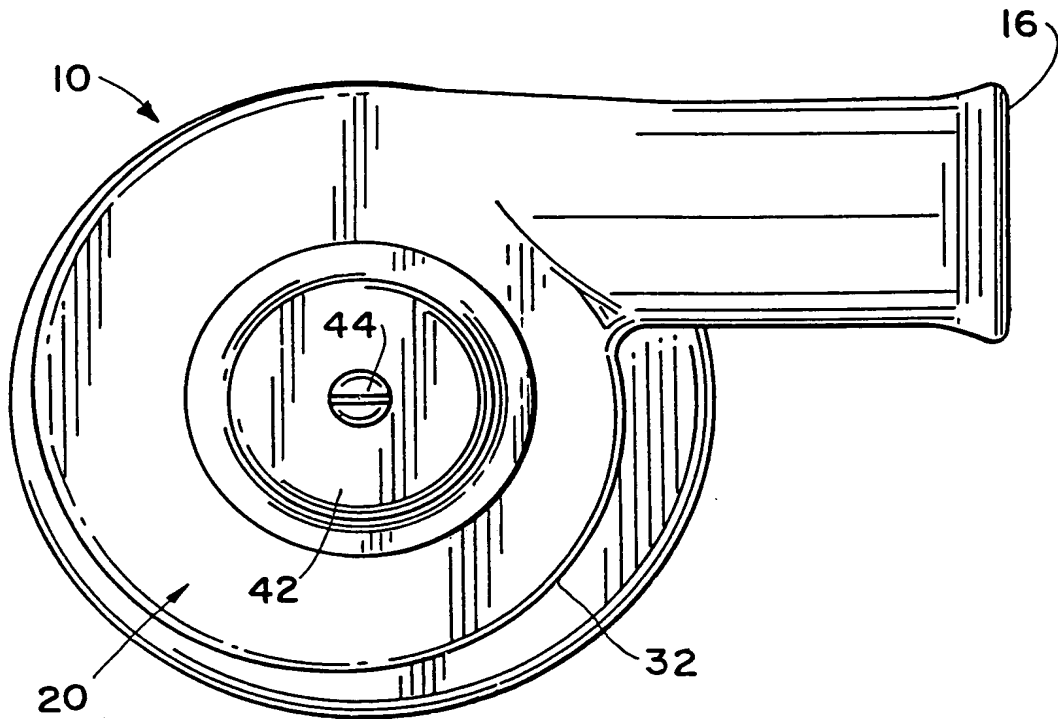


FIG. 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

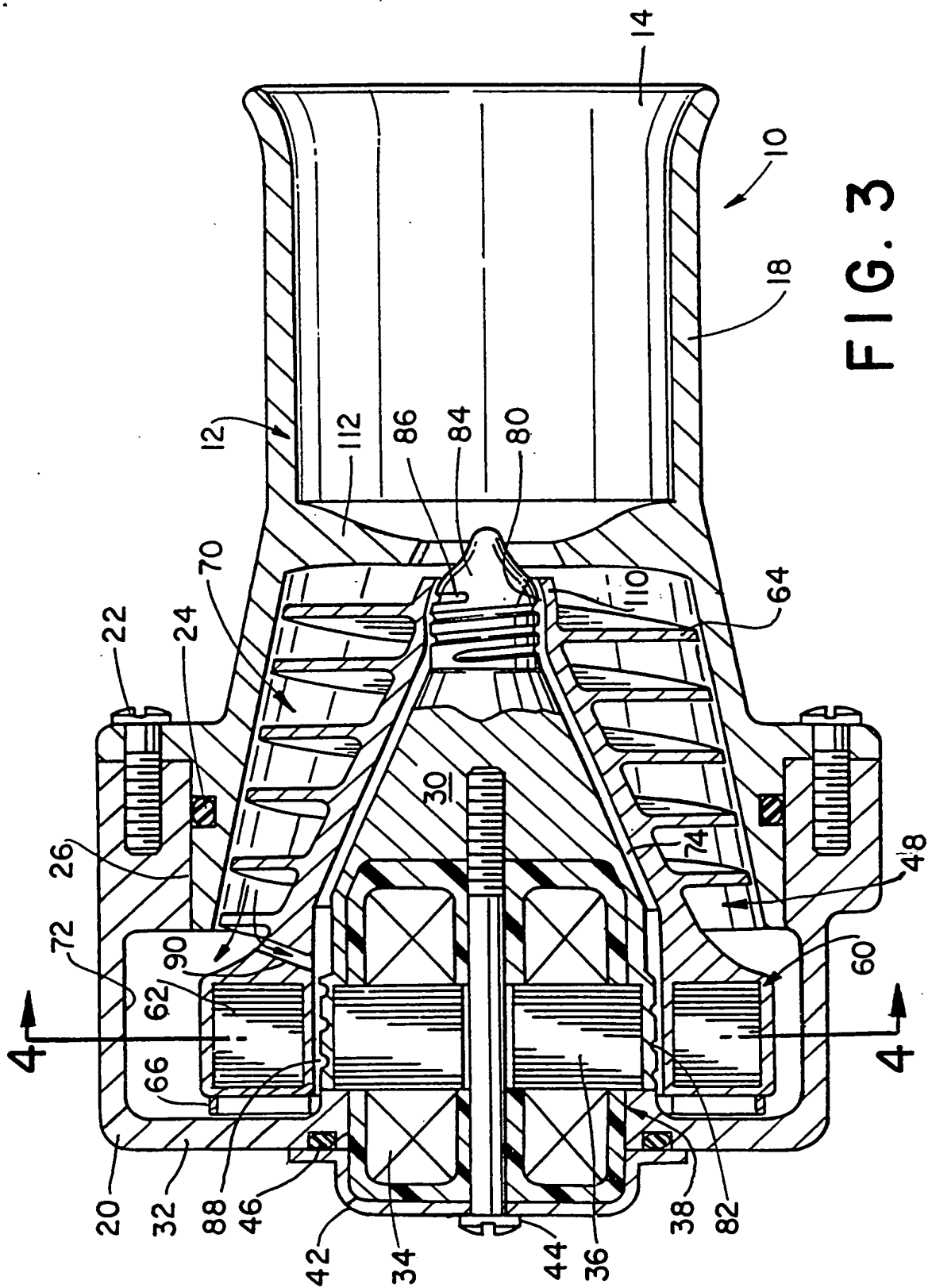


FIG. 3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

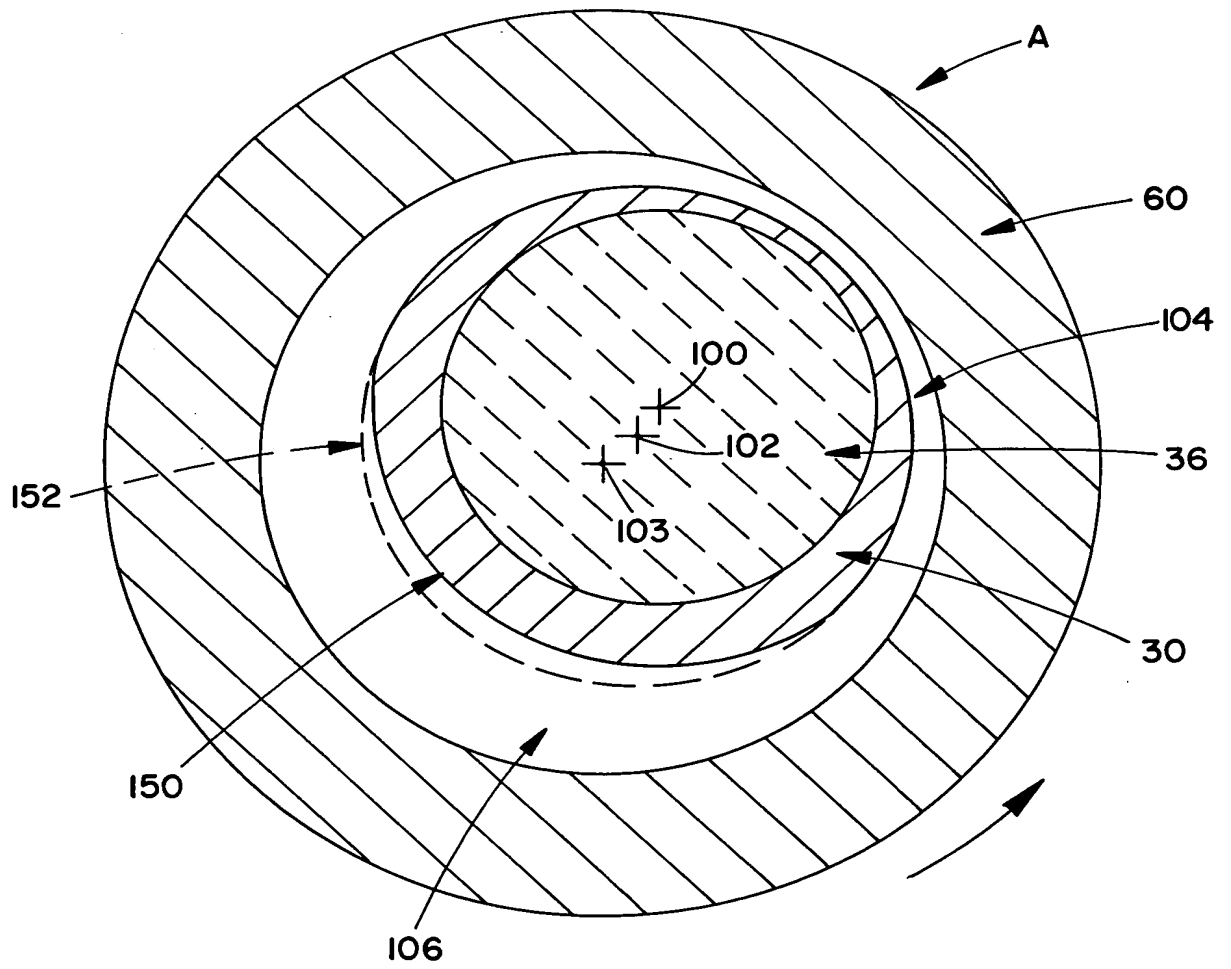


FIG. 4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

TABLE A

BASIC ANGLE DEGREES	BASIC RADIAL DISTANCE INCHES
90	.3174
105	.3191
120	.3217
135	.3083
150	.3041
165	.3010
180	.2999

SYMM. AROUND -A-

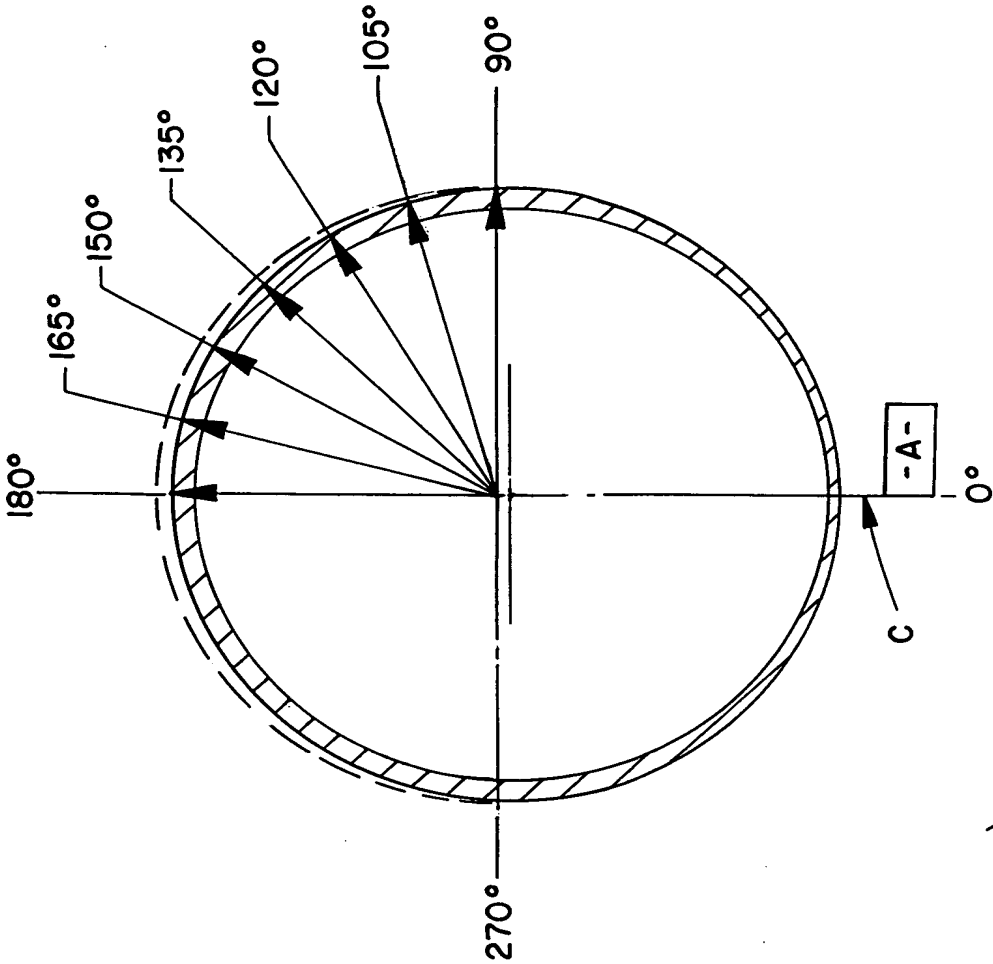


FIG.5